

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75% of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 10303-43 was prepared by Technical Committee ISO/TC 184, *Industrial automation systems and integration*, Subcommittee SC4, *Industrial data*. This second edition of ISO 10303-43 constitutes a technical revision of the first edition (ISO 10303-43:1994), which is provisionally retained to support continued use and maintenance of implementations based on the first edition, and to satisfy the normative references of other parts of ISO 10303. This edition incorporates the corrections published in ISO 10303-43:1994/Cor.1:1999 and ISO 10303-43:1994/Cor.2:2000.

This International Standard is organized as a series of parts, each published separately. The structure of this international standard is described in ISO 10303-1.

The numbering of the parts of this International Standard reflects its structure:

- Parts 11 to 14 specify the description methods;
- Parts 21 to 29 specify the implementation methods;
- Parts 31 to 35 specify the conformance testing methodology and framework;
- Parts 41 to 50 specify the integrated generic resources;
- Parts 101 to 107 specify the integrated application resources;
- Parts 201 to 237 specify the application protocols;
- Parts 301 to 337 specify the abstract test suites;
- Parts 501 to 520 specify the application interpreted constructs.

A complete list of parts of ISO 10303 is available from the Internet:

`<http://www.nist.gov/sc4/editing/step/titles/>`

Should further parts of ISO 10303 be published, they will follow the same numbering pattern.

Annexes A and B form a normative part of this part of ISO 10303. Annexes C and D are for information only.